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The Water Dictionary - 2011-01-12

Doing Meta-Analysis with R - Mathias Harrer
2021-09-15

Doing Meta-Analysis with R: A Hands-On Guide serves as an accessible introduction on how meta-analyses can be conducted in R. Essential steps for meta-analysis are covered, including calculation and pooling of outcome measures, forest plots, heterogeneity diagnostics, subgroup analyses, meta-regression, methods to control for publication bias, risk of bias assessments and plotting tools. Advanced but highly relevant topics such as network meta-analysis, multi-three-level meta-analyses, Bayesian meta-analysis approaches and SEM meta-analysis are also covered. A companion R package, dmetar, is introduced at the beginning of the guide. It contains data sets and several helper functions for the meta and metafor package used in the guide. The programming and statistical background covered in the book are kept at a non-expert level, making the book widely accessible. Features • Contains two introductory chapters on how to set up an R environment and do basic imports/manipulations of meta-analysis data, including exercises • Describes statistical concepts clearly and concisely before applying them in R • Includes step-by-step guidance through the coding required to perform meta-analyses, and a companion R package for the book

Enhancing Early Attachments - Lisa J. Berlin
2007-01-09

Synthesizing the latest theory, research, and practices related to supporting early attachments, this volume provides a unique window into the major treatment and prevention approaches available today. Chapters address the theoretical and empirical bases of attachment interventions; explore the effects of attachment-related trauma and how they can be ameliorated; and describe a range of exemplary programs operating at the individual, family, and community levels. Throughout, expert authors consider cross-cutting issues such as the core components of effective services and appropriate outcome measures for attachment interventions. Also discussed are policy implications, including how programs to enhance early child - caregiver relationships fit into broader health, social service, and early education systems.

Computers in Railways XV - C.A. Brebbia
2016-09-15

This title incorporates the 15th proceedings of the very successful International Conference on Railway Engineering Design and Operation (COMPRAIL) series, which began in Frankfurt 1987 and continued in Rome (1990); Washington (1992); Madrid (1994); Berlin (1996); Lisbon (1998); Bologna (2000); Lemnos (2002); Dresden (2004); Prague (2006); Toledo (2008); Beijing (2010); the New Forest, home of the Wessex Institute (2012) and, again in Rome in 2014. The papers presented at this conference aim to update the use of advanced systems, promoting their general awareness throughout the

management, design, manufacture and operation of railways and other emerging passenger, freight and transit systems. With the conference attracting a variety of specialists, including railway engineers, designers of advanced train control systems and computer specialists, the book particularly emphasises the use of computer systems in advanced railway engineering. Topics include but are not restricted to: Advanced train control Operations quality; Risk management; Planning and policy; Energy supply and consumption; Communications and signalling; Operational planning; Interface management; Systems integration; Maglev; High speed technology; Interoperability; Passenger flow management; Computer simulations and Driverless and automatic train operation.

Secondary Mathematics for Mathematicians and Educators - Michael Weiss 2020-10-06

In this engaging text, Michael Weiss offers an advanced view of the secondary mathematics curriculum through the prism of theory, analysis, and history, aiming to take an intellectually and mathematically mature perspective on the content normally taught in high school mathematics courses. Rather than a secondary mathematics textbook, Weiss presents here a textbook about the secondary mathematics curriculum, written for mathematics educators and mathematicians and presenting a long-overdue modern-day integration of the disparate topics and methods of secondary mathematics into a coherent mathematical theory. Areas covered include: Polynomials and polynomial functions; Geometry, graphs, and symmetry; Abstract algebra, linear algebra, and solving equations; Exponential and logarithmic functions; Complex numbers; The historical development of the secondary mathematics curriculum. Written using precise definitions and proofs throughout on a foundation of advanced content knowledge, Weiss offers a compelling and timely investigation into the secondary mathematics curriculum, relevant for preservice secondary teachers as well as graduate students and scholars in both mathematics and mathematics education.

Teaching Physics - L. Viennot 2011-06-28

This book seeks to narrow the current gap between educational research and classroom

practice in the teaching of physics. It makes a detailed analysis of research findings derived from experiments involving pupils, students and teachers in the field. Clear guidelines are laid down for the development and evaluation of sequences, drawing attention to "critical details" of the practice of teaching that may spell success or failure for the project. It is intended for researchers in science teaching, teacher trainers and teachers of physics.

UbiComp 2006: Ubiquitous Computing - Paul Dourish 2006-09-14

This book constitutes the refereed proceedings of the 8th International Conference on Ubiquitous Computing, UbiComp 2006. The book presents 30 revised full papers, carefully reviewed and selected from 232 submissions. The papers address all current issues in the area of ubiquitous, pervasive and handheld computing systems and their applications. Topics include improving natural interaction, constructing ubicomp systems, embedding computation, understanding ubicomp and its consequences, and deploying ubicomp technologies.

Algebra 2 - Carter 2002-07-01

Endocrinology and Diabetes - Francisco Bandeira 2022-03-03

Developed by a renowned group of international authors, this engaging, case-based title once again offers readers a wide range of thought-provoking case studies that reflect contemporary, challenging, hands-on clinical care. Expanded and fully updated, *Endocrinology and Diabetes: A Problem Oriented Approach, 2nd Edition* addresses the complete range of endocrinologic problems found in patient care, offering the reader a convenient and pointed way to solve clinical problems in a timely manner. Due to its comprehensive coverage and practical focus, this title has developed a special place in the field of endocrinology and will again be of great interest to endocrinologists, diabetologists, internal medicine physicians, family physicians, fellows, and residents. The enthusiastic reception and warm welcome of the first edition of this book was overwhelming and gratifying. Despite many standard texts that cover physiology and clinical aspects of endocrinology,

this book found a special place because it focused on patient care and practical aspects of endocrine practice. In the current volume we were fortunate to again have the honor of collaboration by international authors who pride themselves foremost as clinical endocrinologists. We hope our readers will find this updated, improved edition worthwhile, and use it for the benefit of their patients.

Introduction to Computational Health

Informatics - Arvind Kumar Bansal 2020-01-08

This class-tested textbook is designed for a semester-long graduate or senior undergraduate course on Computational Health Informatics.

The focus of the book is on computational techniques that are widely used in health data analysis and health informatics and it integrates computer science and clinical perspectives. This book prepares computer science students for careers in computational health informatics and medical data analysis. Features Integrates computer science and clinical perspectives Describes various statistical and artificial intelligence techniques, including machine learning techniques such as clustering of temporal data, regression analysis, neural networks, HMM, decision trees, SVM, and data mining, all of which are techniques used widely used in health-data analysis Describes computational techniques such as multidimensional and multimedia data representation and retrieval, ontology, patient-data deidentification, temporal data analysis, heterogeneous databases, medical image analysis and transmission, biosignal analysis, pervasive healthcare, automated text-analysis, health-vocabulary knowledgebases and medical information-exchange Includes bioinformatics and pharmacokinetics techniques and their applications to vaccine and drug development

Nonparametric Statistics for Health Care

Research - Marjorie A. Pett 2015-06-29

What do you do when you realize that the data set from the study that you have just completed violates the sample size or other requirements needed to apply parametric statistics?

Nonparametric Statistics for Health Care

Research was developed for such scenarios—research undertaken with limited funds, often using a small sample size, with the primary objective of improving client care and

obtaining better client outcomes. Covering the most commonly used nonparametric statistical techniques available in statistical packages and on open-resource statistical websites, this well-organized and accessible Second Edition helps readers, including those beyond the health sciences field, to understand when to use a particular nonparametric statistic, how to generate and interpret the resulting computer printouts, and how to present the results in table and text format.

Dissertation Abstracts International - 2008

Precalculus - Steve Slavin 2001-01-12

The fastest, easiest way to master precalculus . .

. by doing it! Do logarithmic functions throw you for a loop? Does the challenge of finding an inverse function leave you overwhelmed? Does the Law of Cosines make you feel clueless? With this helpful, easy-to-follow guide, you will gain total command of these precalc concepts-and many more-in no time at all. Precalculus: A Self-Teaching Guide includes an algebra review and complete coverage of exponential functions, log functions, and trigonometry. Whether you are studying precalculus for the first time, want to refresh your memory, or need a little help for a course, this clear, interactive primer will provide you with the skills you need. Precalculus offers a proven self-teaching approach that lets you work at your own pace-and the frequent self-tests and exercises reinforce what you've learned. Turn to this one-of-a-kind teaching tool and, before you know it, you'll be solving problems like a mathematician!

Glencoe Precalculus Student Edition -

McGraw-Hill Education 2010-01-04

The Complete Classroom Set, Print & Digital includes: 30 print Student Editions 30 Student Learning Center subscriptions 1 print Teacher Edition 1 Teacher Lesson Center subscription

Field Studies in Environmental Criminology

- Ben Stickle 2022-03-31

This book includes fieldwork from five continents and demonstrates the breadth of techniques used by environmental criminologists to understand crime. Environmental criminologists seek to understand crime within the physical, and even digital, contexts where it occurs - believing that crime occurs when people converge in time and space and that the

environment impacts the opportunity for crime. Understanding the environment aids the researcher in answering an essential question: what can be done to alter the place to prevent or reduce crime? However, to understand complex environmental influences, researchers need to engage in fieldwork. Fieldwork involves researchers entering the environment they are studying to observe, listen, and experience the surroundings in a way that influences their understanding of the place and people in the environment. This book highlights the broad array of crime types - from package theft in the suburbs to poaching in the Nile basin - that environmental criminology is well suited to address. Finally, it advances methods and techniques, tests established protocols, and offers reflections on experiences during fieldwork, demonstrating the value of the techniques for environmental criminology and offering solutions to crime problems. The chapters in this book were originally published in special issues of *Criminal Justice Studies*.

Management and Business Research - Mark Easterby-Smith 2021-04-28

This bestselling textbook has been fully updated, and provides readers with a comprehensive overview of methods for conducting business and management research. Highly visual, and written in a clear and accessible way, the book includes helpful learning features throughout, including learning goals at the start of each chapter, a research in action feature, examples, a Research Plan Canvas template and more. The content has been brought up-to-date with the inclusion of big data, predictive analytics and a dedicated chapter on machine learning.

Accompanying the book is a wealth of online resources to further enhance your learning experience, including: MCQs Video content Templates and data sets Glossary flashcards Additional case studies These can be accessed by students at

study.sagepub.com/easterbysmith7e

The Transformed School Counselor - Carolyn Stone 2015-05-29

Preparing readers for real-world practice, *THE TRANSFORMED SCHOOL COUNSELOR*, Third Edition demonstrates how to effectively use theories, data-driven decision-making, leadership, advocacy, and consultation to

improve clients' scholastic achievement and foster social justice. Thoroughly integrating the ASCA National Model throughout, the book provides an excellent overview of how the school counseling profession has transformed to successfully meet the needs of 21st-century students. It challenges pre-service counselors to view their sphere of influence from a systemic perspective and develop awareness of the major societal and educational changes impacting the school counselor--including economy, technology, family structures, standards-based education, and diversity. Completely current and aligned with 2016 CACREP standards, the third edition is packed with new case studies, Voices from the Field insights, the latest data available, and real-world illustrations. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

ERDA Energy Research Abstracts - United States. Energy Research and Development Administration 1977

Advances in Help-Seeking Research and Applications - Stuart A. Karabenick 2013-06-01
Research on help seeking has primarily focused on classrooms interactions that consist primarily of students asking teachers and peers for help. The rapid emergence of information and communications technologies and interactive learning environments, however, requires expanding the help-seeking landscape and rethinking such critical theoretical issues as the distinction between help seeking and information search, and whether help seeking is inevitably a social self-regulated learning strategy. There is also the need to focus attention on help seeking in the broader learning enterprise, which includes its role in the collaboration process, how to support adaptive rather than the over- or under-reliance on help seeking, as well as to scaffold help-seeking skills that render the process more efficient and useful. To examine these and other issues, the present volume assembled contributions from internationally recognized scholars and researchers to capture the state of the art and to anticipate future developments in this expanding field. Its relevance extends to anyone attempting to understand the role of technology in

education, including educational researchers and teachers who do now or who expect to use technology to support instruction, and the rapidly expanding numbers of those developing new technological applications.

Best of Five MCQs for MRCPsych Paper 3 -

Lena Palaniyappan 2010-03-25

Following recent changes to the syllabus and MRCPsych exam by the Royal College of Psychiatrists, this book contains 450 multiple choice questions offering exclusive coverage of Paper 3. Supporting these MCQs are detailed explanatory answers and revision notes. Content is closely matched to the exam and includes practice papers.

Professional Safety - 2001

Forest Health - John D. Castello 2011-05-19

Forest Health: An Integrated Perspective is the first book to define an ecologically rational, conceptual framework that unifies and integrates the many sub-disciplines that comprise the science of forest health and protection. This new global approach applies to boreal, temperate, tropical, natural, managed, even-aged, uneven-aged and urban forests, as well as plantations. Readers of the text can use real datasets to assess the sustainability of four forests around the world. Datasets for the case studies are at www.cambridge.org/9780521766692, and the text provides stepwise instructions for performing the calculations in Microsoft Excel. Readers can follow along as the editors perform the same calculations and interpret the results. Elevating forest health from a fuzzy concept to an ecologically sound paradigm, this is essential reading for undergraduate and graduate students and professionals interested in forest health, protection, entomology, pathology and ecology.

Quality Instruction and Intervention - Brittany L. Hott 2023-04-15

This book offers a summary of evidence-based instruction followed by the most up-to-date empirically validated interventions for students with and at risk for disabilities in grades 6-12. Featuring key questions, case studies, essential vocabulary, and tools that can be used in the classroom, this practical text is ideal for pre- and in-service teachers.

Networking of Theories as a Research Practice in Mathematics Education - Angelika Bikner-Ahsbahr 2014-08-25

How can we deal with the diversity of theories in mathematics education? This was the main question that led the authors of this book to found the Networking Theories Group. Starting from the shared assumption that the existence of different theories is a resource for mathematics education research, the authors have explored the possibilities of interactions between theories, such as contrasting, coordinating, and locally integrating them. The book explains and illustrates what it means to network theories; it presents networking as a challenging but fruitful research practice and shows how the Group dealt with this challenge considering five theoretical approaches, namely the approach of Action, Production, and Communication (APC), the Theory of Didactical Situations (TDS), the Anthropological Theory of the Didactic (ATD), the approach of Abstraction in Context (AiC), and the Theory of Interest-Dense Situations (IDS). A synthetic presentation of each theory and their connections shows how the activity of networking generates questions at the theoretical, methodological and practical levels and how the work on these questions leads to both theoretical and practical progress. The core of the book consists of four new networking case studies which illustrate what exactly can be gained by this approach and what kind of difficulties might arise.

Algebra 1, Student Edition - McGraw Hill 2012-07-06

The only program that supports the Common Core State Standards throughout four-years of high school mathematics with an unmatched depth of resources and adaptive technology that helps you differentiate instruction for every student. Connects students to math content with print, digital and interactive resources. Prepares students to meet the rigorous Common Core Standards with aligned content and focus on Standards of Mathematical Practice. Meets the needs of every student with resources that enable you to tailor your instruction at the classroom and individual level. Assesses student mastery and achievement with dynamic, digital assessment and reporting. Includes Print Student Edition

ERDA Energy Research Abstracts - United States. Energy Research and Development Administration. Technical Information Center 1977

Research Methods in Outdoor Studies -

Barbara Humberstone 2019-07-23

Over the last two decades Outdoor Studies has emerged as an innovative and vibrant field of study. This is the first book to offer a comprehensive appraisal of established and cutting-edge research methods as applied to Outdoor Studies. Covering qualitative, quantitative and mixed methods, the book examines key methodologies, themes and technologies such as digital research, mobile methodologies, ethnography, interviews, research design, research ethics and ways of disseminating research. Featuring contributions from leading researchers from a variety of disciplinary backgrounds, this is an essential text for any Outdoor Studies course or for researchers looking for innovative and creative research techniques.

International Review of Research in Mental Retardation - 2006-04-11

Volume 31 of the International Review of Research in Mental Retardation is a thematic exploration of personality and motivation in persons with mental retardation. Looking at a broad spectrum of intellectual disabilities, Mental Retardation, Personality, and Motivational Systems explores motivation as a moderator for performance and individualized effort. Coverage includes discussions of intrinsic and extrinsic motivation in both mentally retarded and non-retarded children, self-determination, interpersonal decision making in adolescents and adults with mental retardation, interpersonal relationships, and the connection between etiological-specific differences and motivation to form "behavioral phenotypes." A final chapter presents a transactional perspective on human ability, relying on constructs of intelligence, cognitive processes, and motivation, with implications for developmental interventions in the lives of persons with mental retardation. Explores personality and motivation in persons with mental retardation Discusses intrinsic and extrinsic motivation in both mentally retarded

and non-retarded children A useful reference for researchers and scholars in developmental and cognitive psychology, as well as neuropsychology

Interventional Electrophysiology - Igor Singer 2001

This thoroughly updated Second Edition is a comprehensive, practical guide to all current techniques and procedural aspects of interventional electrophysiology. A leading international group of experts describes in depth the procedures and techniques, the rationale for their use, and the available alternatives. Complementing the text are more than 600 illustrations, including spatially oriented "how-to" line drawings, radiographs, and conceptual diagrams. This edition features an extensively updated program of illustrations and includes the latest information on dual chamber defibrillators, atrial defibrillators and ablation techniques, and ablation and catheters.

Psychosocial Interventions for Suicide Prevention - Raffaella Calati 2020-01-22

Systems Engineering in Context - Stephen Adams 2019-06-21

This volume chronicles the 16th Annual Conference on System Engineering Research (CSER) held on May 8-9, 2018 at the University of Virginia, Charlottesville, Virginia, USA. The CSER offers researchers in academia, industry, and government a common forum to present, discuss, and influence systems engineering research. It provides access to forward-looking research from across the globe, by renowned academicians as well as perspectives from senior industry and government representatives. Co-founded by the University of Southern California and Stevens Institute of Technology in 2003, CSER has become the preeminent event for researchers in systems engineering across the globe. Topics include though are not limited to the following: Systems in context: · Formative methods: requirements · Integration, deployment, assurance · Human Factors · Safety and Security Decisions/ Control & Design; Systems Modeling: · Optimization, Multiple Objectives, Synthesis · Risk and resiliency · Collaborative autonomy · Coordination and distributed decision-making Prediction: · Prescriptive modeling; state estimation ·

Stochastic approximation, stochastic optimization and control Integrative Data engineering: · Sensor Management · Design of Experiments

Resources in Education - 1998

Scientific and Technical Aerospace Reports - 1986

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

2008 Physics Education Research Conference - Charles Henderson 2008-11-21

The 2008 Physics Education Research Conference brought together researchers studying a wide variety of topics in physics education. The conference theme was "Physics Education Research with Diverse Student Populations". Researchers specializing in diversity issues were invited to help establish a dialog and spur discussion about how the results from this work can inform the physics education research community. The organizers encouraged physics education researchers who are using research-based instructional materials with non-traditional students at either the pre-college level or the college level to share their experiences as instructors and researchers in these classes.

Concise Encyclopedia of Biostatistics for Medical Professionals - Abhaya Indrayan 2016-11-25

Concise Encyclopedia of Biostatistics for Medical Professionals focuses on conceptual knowledge and practical advice rather than mathematical details, enhancing its usefulness as a reference for medical professionals. The book defines and describes nearly 1000 commonly and not so commonly used biostatistical terms and methods arranged in alphabetical order. These range from simple terms, such as mean and median to advanced terms such as multilevel models and generalized estimating equations. Synonyms or alternative phrases for each topic covered are listed with a reference to the topic.

Current Index to Journals in Education - 1999-10

Sociological Abstracts - Leo P. Chall 1980

Long Term Perspectives in Evaluation - Kim Forss 2020-09-08

Long Term Perspectives in Evaluation is the first book to advocate the virtues of a long-term perspective for policy evaluation as well as to show how evaluations can take a longer time perspective than they usually do. To get there, it is necessary to understand the decision-making context of evaluations and study the obstacles and the resistance toward long-term perspectives - as knowledge of that will lay the ground for more effective advocacy. The book is divided into three parts: the first section examines different aspects of methodology and methods. In the next section, authors present case studies of long-term evaluations, examine their own experiences of such evaluations and discuss difficulties, challenges and lessons learned. Cases discussed include: education sector reforms in Sweden, local governance reforms in Denmark, policy interventions in Southern Italy and Brazil, and Paris Declaration Principles of aid effectiveness such as Swedish aid to Tanzania, Vietnam, Laos and Sri Lanka. Finally, the third section sees the authors turn to a set of contextual issues and concluding remarks. Bringing together a rich collection of insights and a renowned group of experts, Long Term Perspectives in Evaluation: Increasing Relevance and Utility, constitutes a significant landmark in the field.

Theory of Constraints - Umesh P. Nagarkatte 2017-11-27

This book was written to assist professionals and students to become proactive in their own education, improve thinking, resolve personal and interpersonal conflicts, improve pedagogy, manage departmental affairs and guide administrative decisions. The text captures the practical experience of the authors with and formal training in TOC to address many of the issues facing today's education stakeholders. The text is designed to teach methods for 1) "win-win" conflict resolution, 2) decision-making, 3) problem solving, and 4) analysis of systems using TOC's powerful logic-based graphical Thinking Process tools. A creative thinker can identify, plan and achieve his or her goals just knowing the Thinking Process Tools.

Theory of Addiction - Robert West 2013-11-04

The word 'addiction' these days is used to refer

to a chronic condition where there is an unhealthily powerful motivation to engage in a particular behaviour. This can be driven by many different factors - physiological, psychological, environmental and social. If we say that it is all about X, we miss V, W, Y and Z. So, some people think addicts are using drugs to escape from unhappy lives, feelings of anxiety and so on; many are. Some people think drugs become addictive because they alter the brain chemistry to create powerful urges; that is often true. Others think that drug taking is about seeking after pleasure; often it is. Some take the view that addiction is a choice - addicts weigh up the pros and cons of doing what they do and decide the former outweigh the latter. Yet others believe that addicts suffer from poor impulse control; that is often true... And so it goes on. When you look at the evidence, you see that all these positions capture important aspects of the problem - but they are not complete explanations. Neuroscience can help us delve more deeply into some of these explanations, while the behavioural and social sciences are better at exploring others. We need a model that puts all this together in a way that can help us decide what to do in different cases. Should we prescribe a drug, give the person some 'tender

loving care', put them in prison or what? Theory of Addiction provides this synthesis. The first edition was well received: 'Throughout the book the reader is exposed to a vast number of useful observations...The theoretical aims are timely, refreshing, ambitious and above all challenging. It opens up a new way of looking at addiction and has the potential to move the field of addiction a considerable leap forward. Thus we wholeheartedly would like to recommend the book for students as well as scholars. Read and learn!' Nordic Studies on Alcohol and Drugs 'The book provides a comprehensive review of existing theories - over 30 in all - and this synthesis of theories constitutes an important contribution in and of itself... West is to be commended for his synthesis of addiction theories that span neurobiology, psychology and social science and for his insights into what remains unexplained.' Addiction This new edition of Theory of Addiction builds on the first, including additional theories in the field, a more developed specification of PRIME theory and analysis of the expanding evidence base. With this important new information, Theory of Addiction will continue to be essential reading for all those working in addiction, from student to experienced practitioner - as urged above, Read and learn!